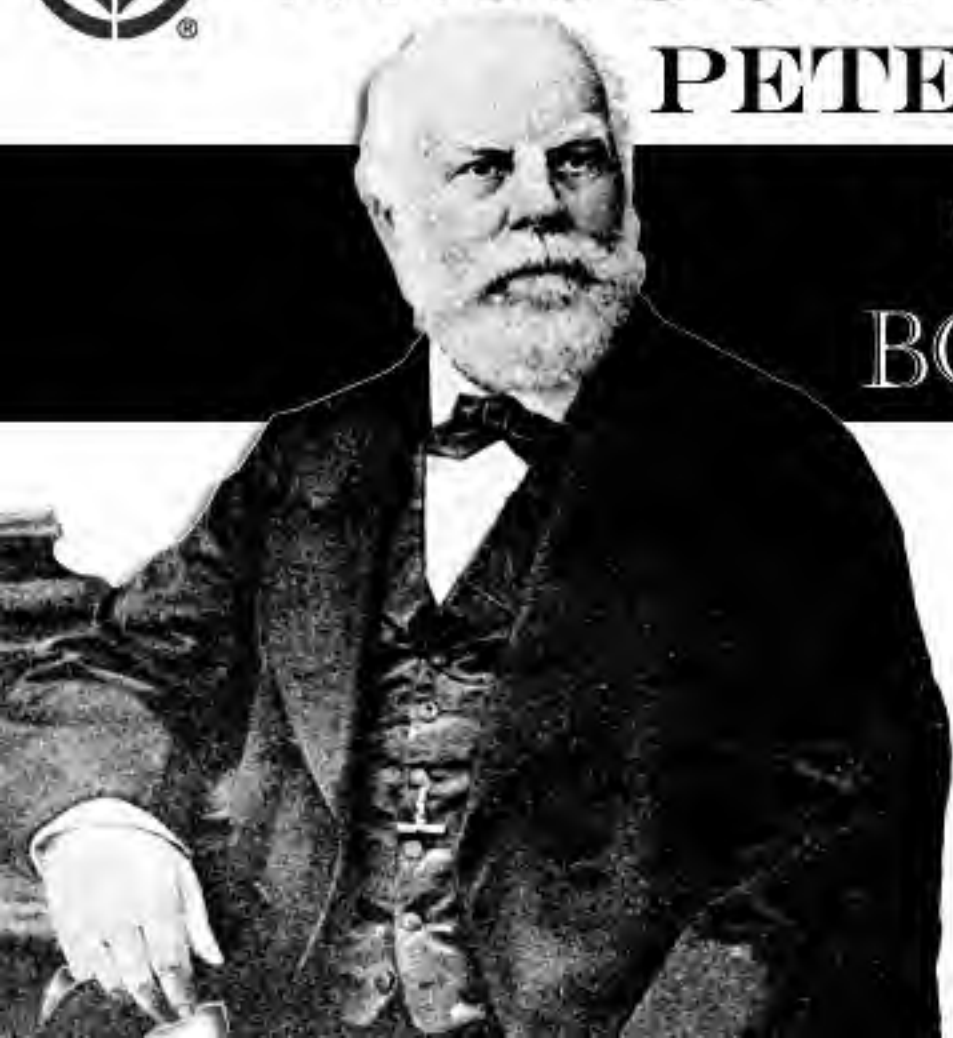




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GEORGE ENGELMANN
BOTANICAL NOTEBOOKS

Pagination Note:

Since many of the items lack a specific page number, the page number displayed online refers to the sequentially created number each item was given upon cataloging the materials.

Juniperus decurrens Hamilt. June 25 1874
Ind or. Wallerh. - Hb Acad Phil



x2



seed single

leaves in 3's

scales of peduncle & fruit in 2's



0 1 2 3 4 5 6 7 8 9 10

cm

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508 Leffingwell Avenue,

Druggist & **A**pothecary

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GEORGE ENGELMANN PAPERS

G. F. ENGLEMAN, M.D.,
3003 LOCUST STREET.

18147



0 1 2 3 4 5 6 7 8 9 10

cm

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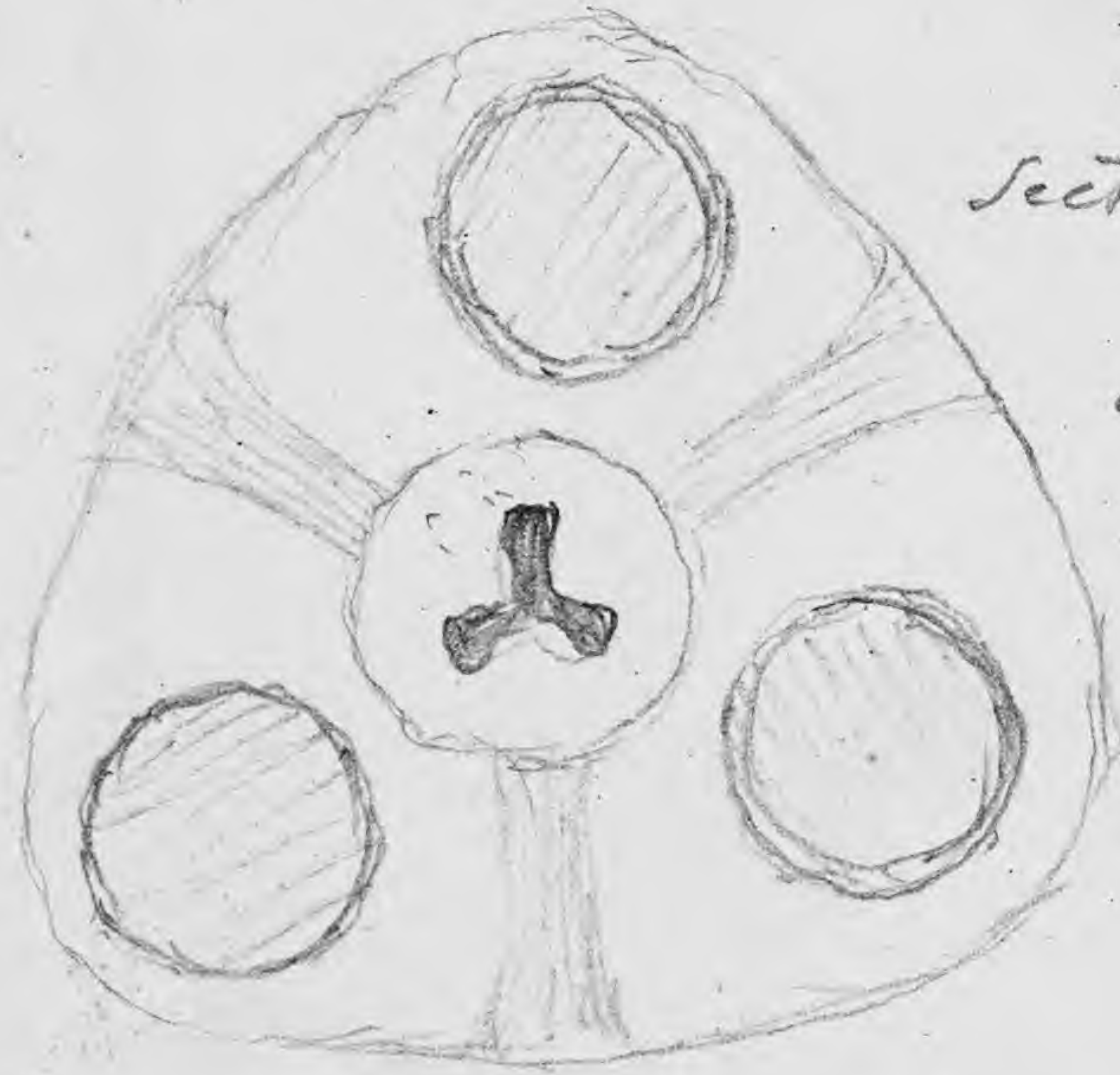


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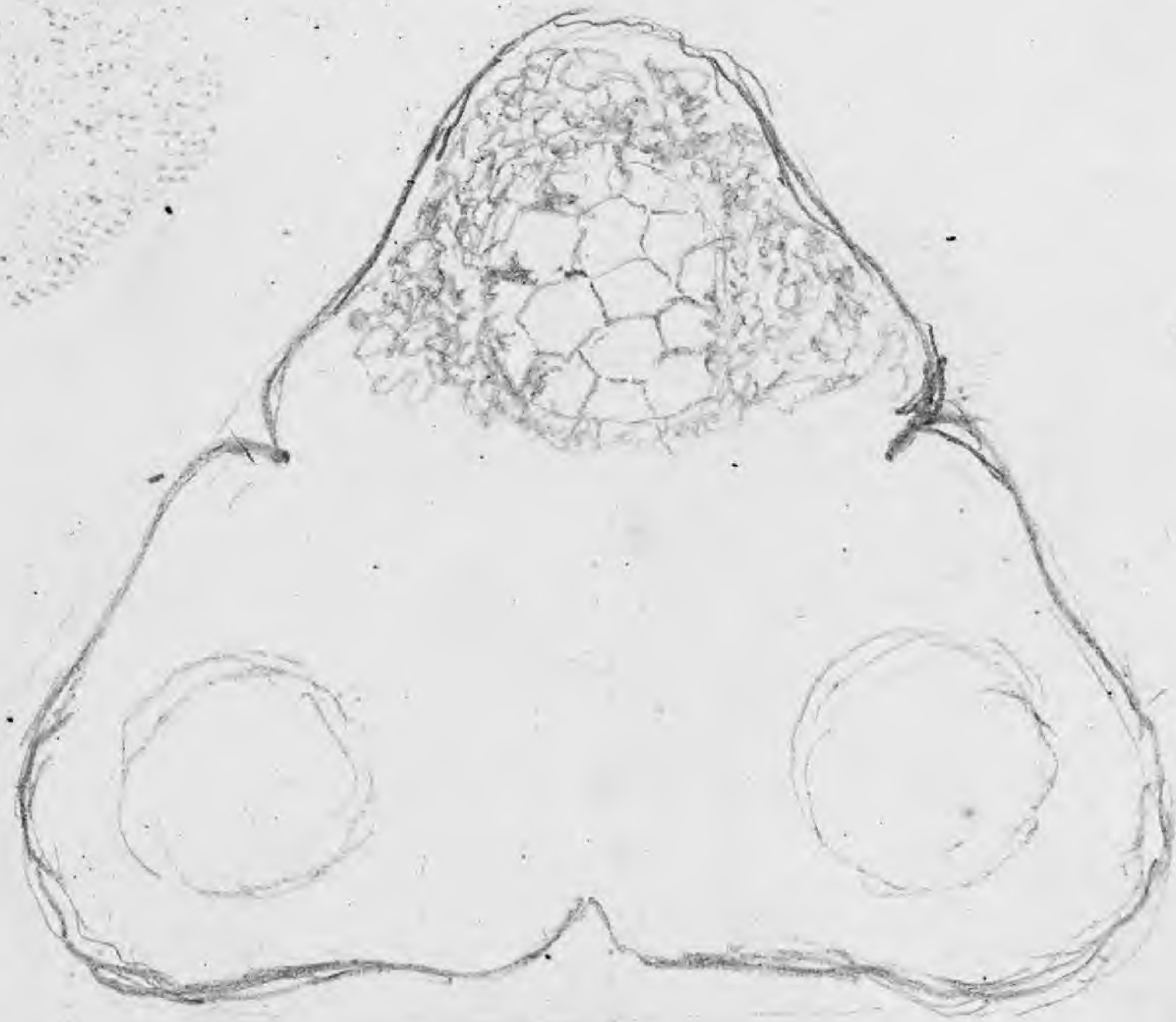
Juniper recurva Arnott

June 26, 1875

2nd or. Walllich - Hb. Acad. Phil.



sect of branchlet
x60
wood bundle - centre
3 resiniferous
ducts



sect of branchlet
of *Pallarya*
cult. specim.
coll. May



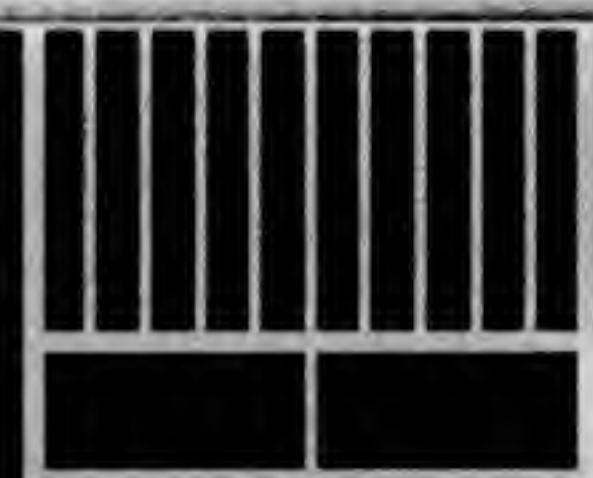
resiniferous
duct

base of leaf

x60

stem

Interim out ducts
consist of large cells
which contain no oil yet
and no doubt are afterwards
absorbed at compression
and form the wall of the
resin. duct.



0 1 2 3 4 5 6 7 8 9 10

cm

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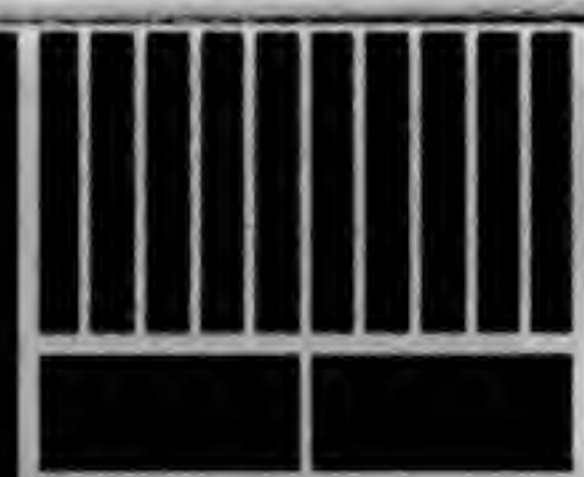
M. W. ALEXANDER,

South-east corner Fourth and Market Streets,

ST. LOUIS.

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0
cm

1

2

3

4

5

6

7

8

9

10

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"Juniperus excolsa"

Jun 24 1874

Haage & Schmidt mis 1874

fruit black

x2

seeds 3-6

extremely resinous



x2

3 seeds



6 seeds

x2



0 1 2 3 4 5 6 7 8 9 10

cm

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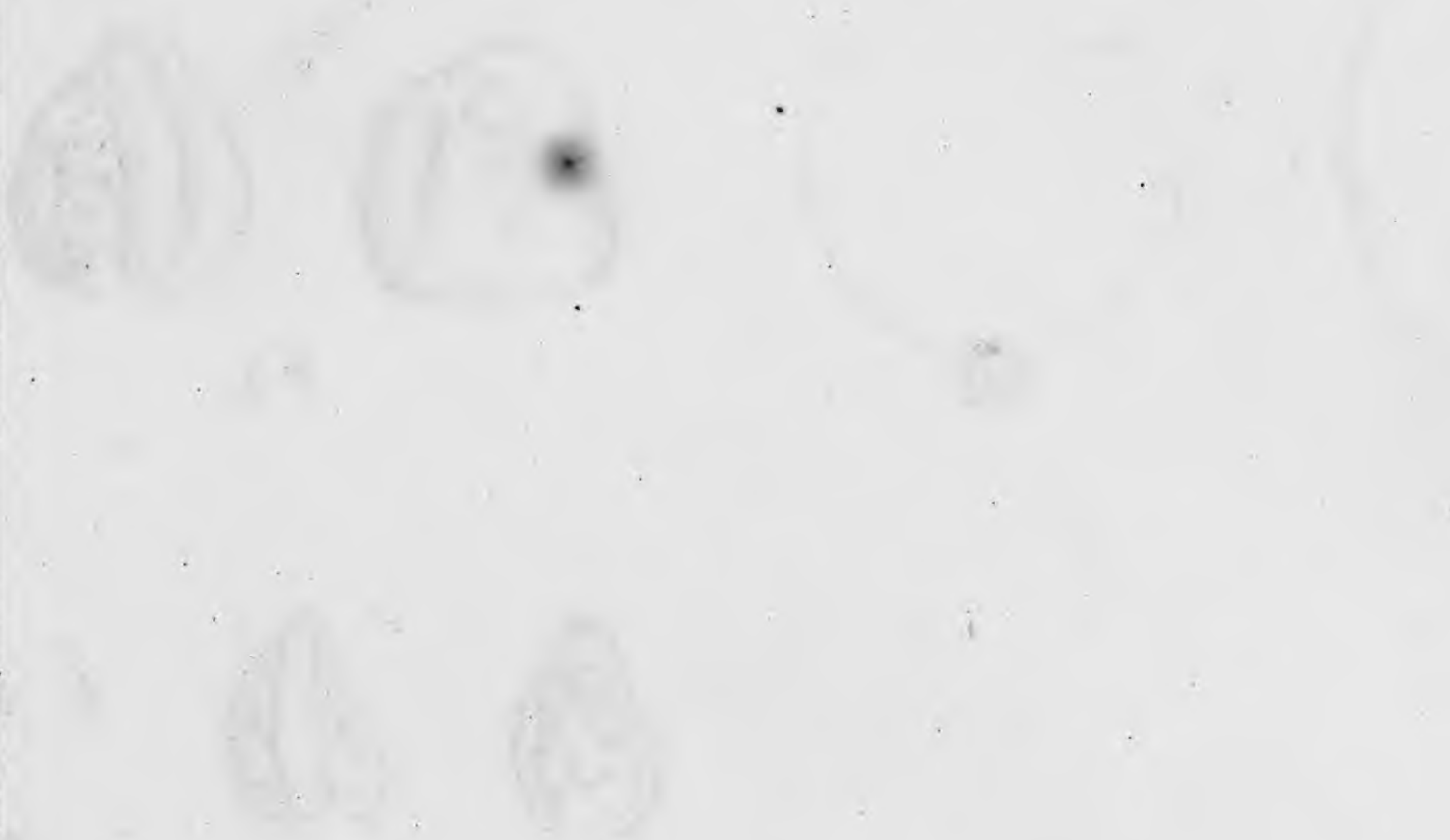


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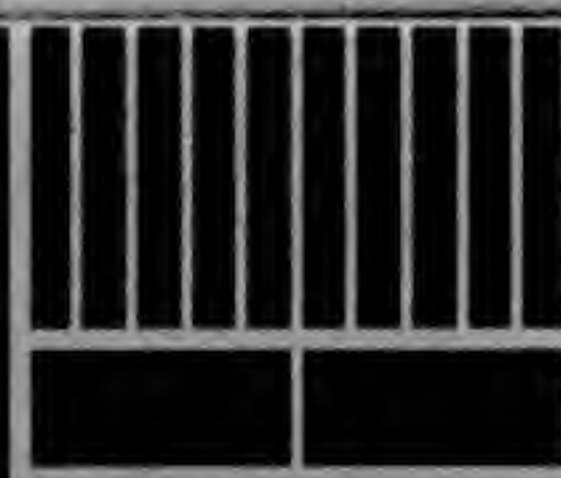


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0 1 2 3 4 5 6 7 8 9 10

cm

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"Juniperus foetidissima"

June 24 1874

Heuge & Schumilker mi. 1874

Berry black
scales = 2^s



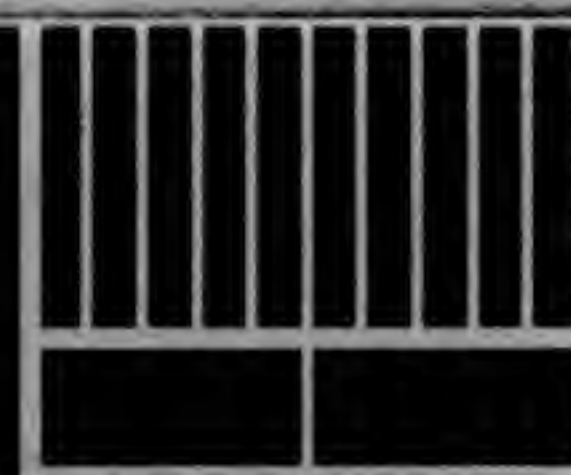
x 2



x 2



seeds 2-3



0 1 2 3 4 5 6 7 8 9 10

cm

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[Faint pencil sketches of botanical specimens, possibly seeds or fruits, are visible in the background.]

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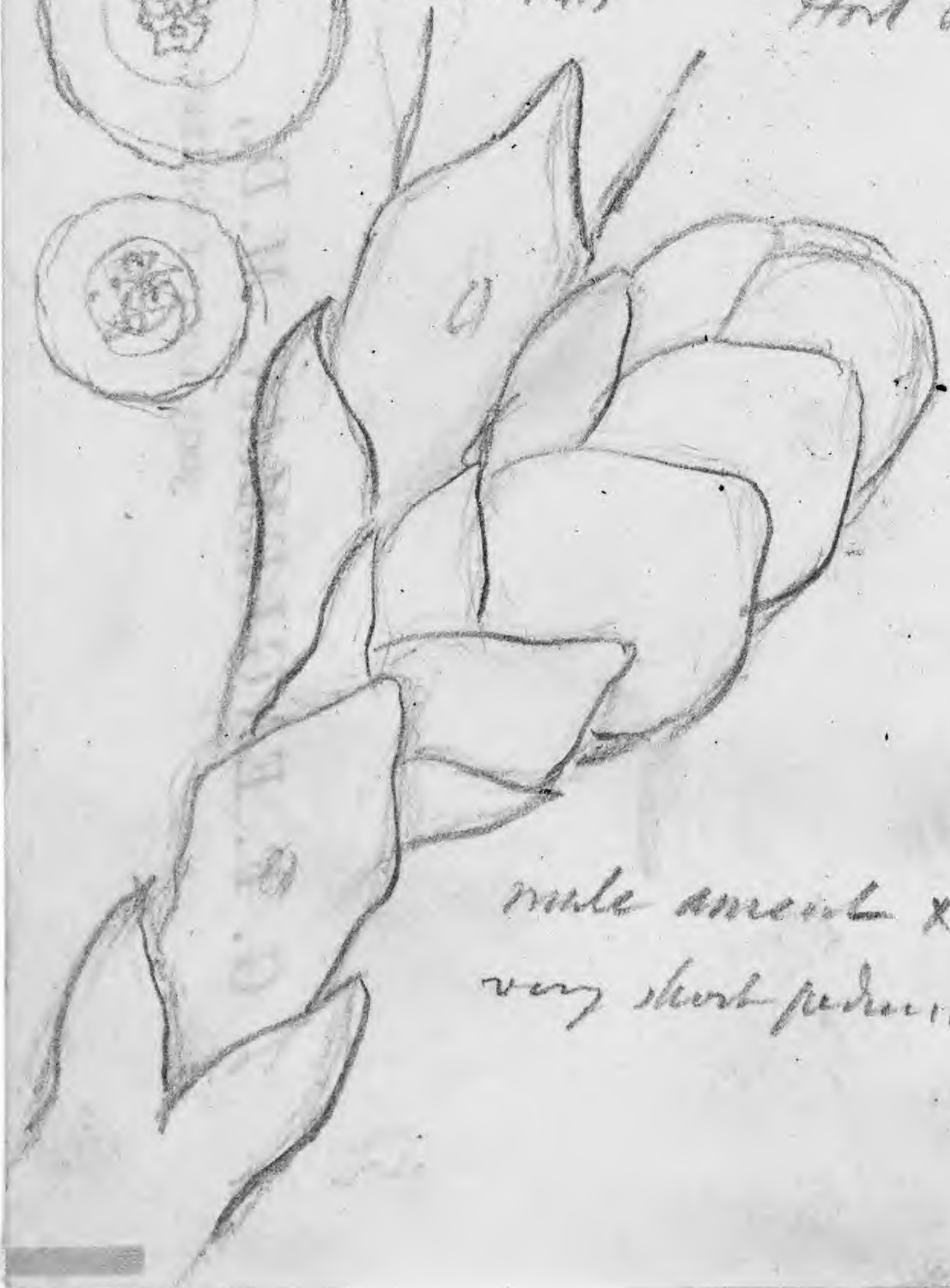
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"Juniperus squarata"

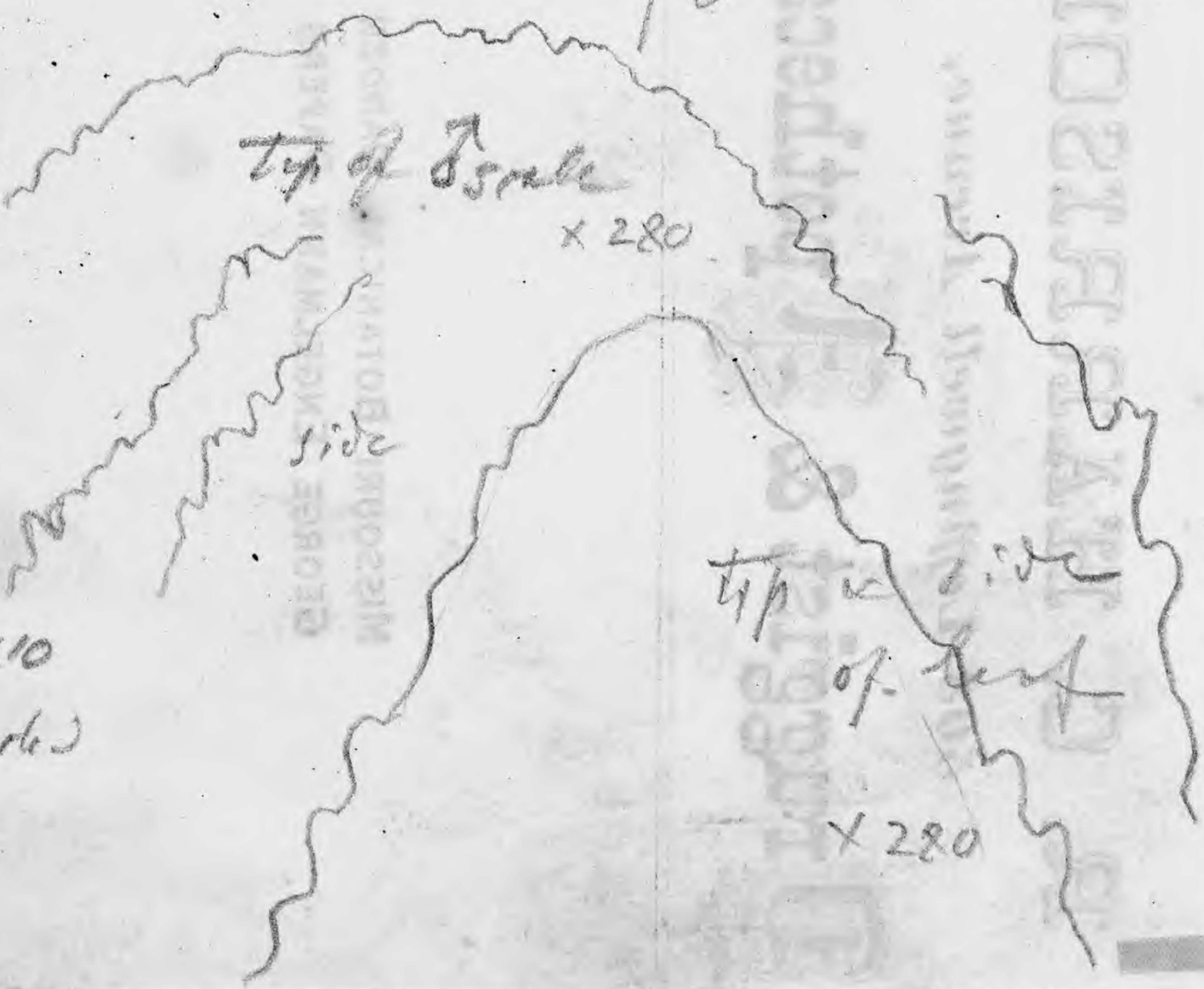
July 3^d 1874

Pollen x415

Herb Bot. Room. Febr 1859



scale about x10
very short peduncled



top of scale
x 280

side

tip of leaf
x 280

Juniperus?



0 1 2 3 4 5 6 7 8 9 10
cm

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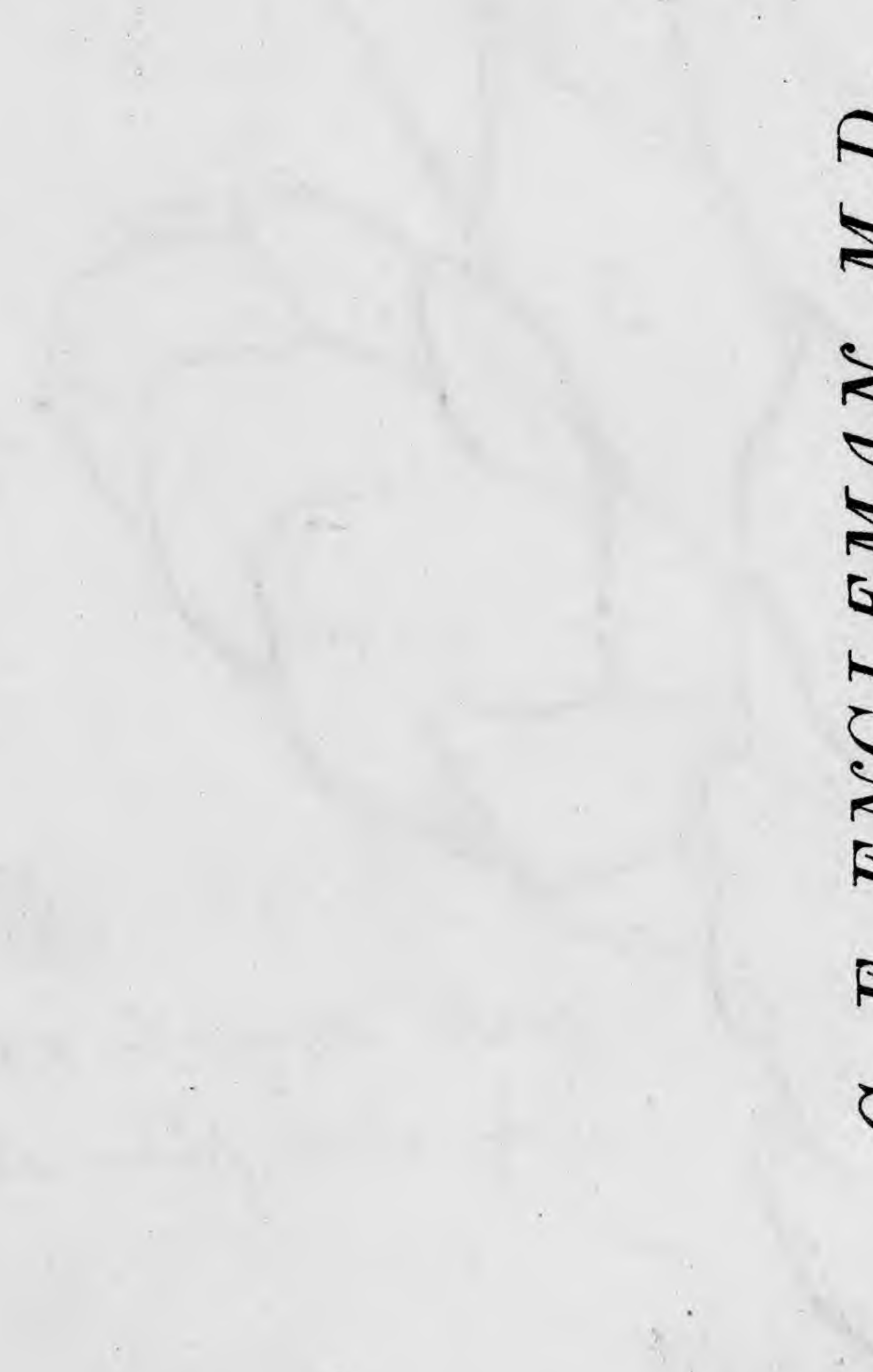
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0 1 2 3 4 5 6 7 8 9 10

cm

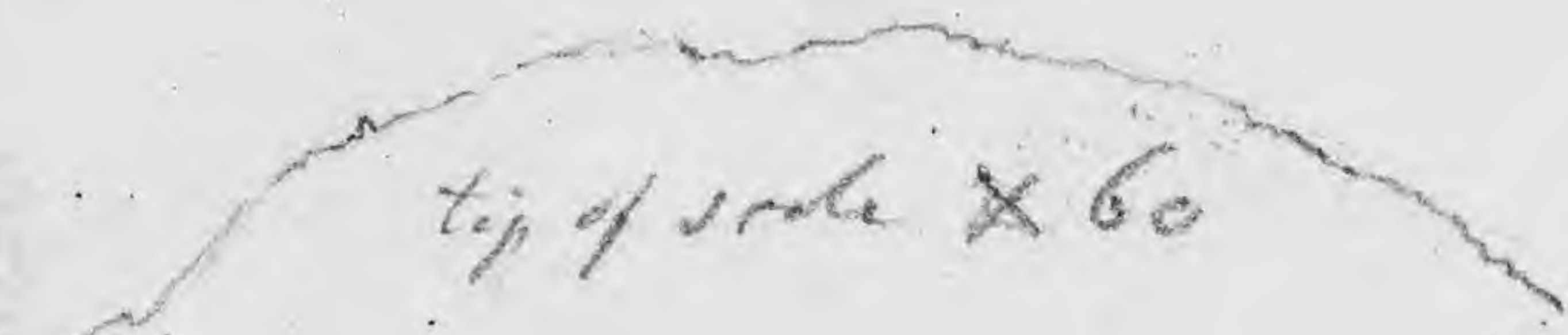
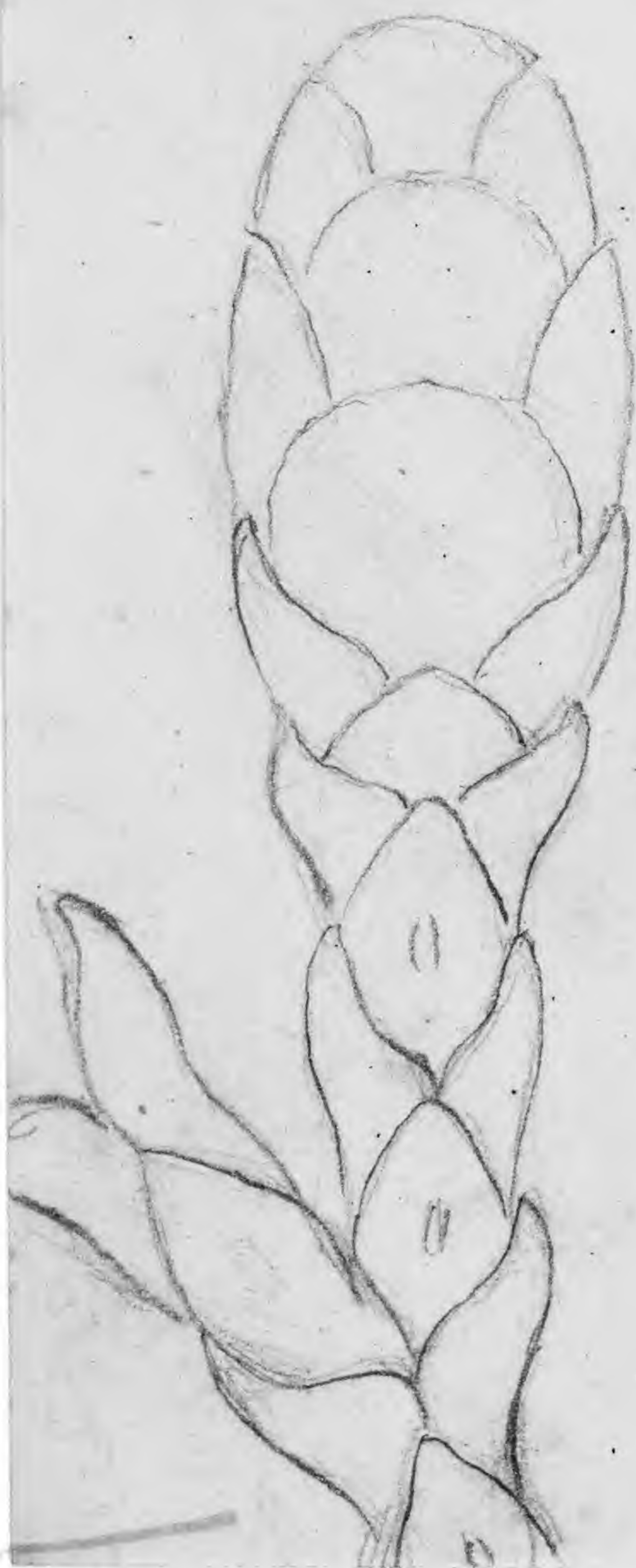
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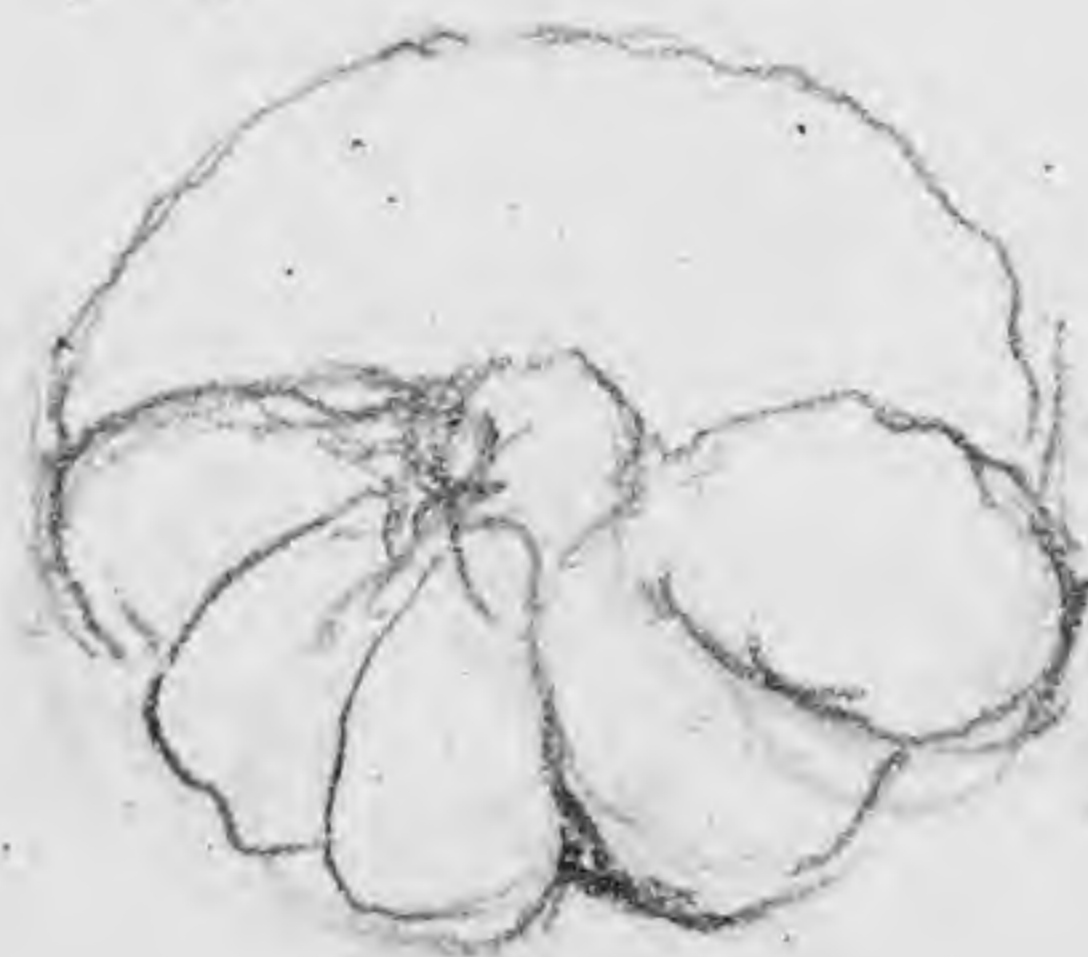
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Juniper virginica (3) Jan 3 1874

Herb. bot. R. m. Febr 6 1869

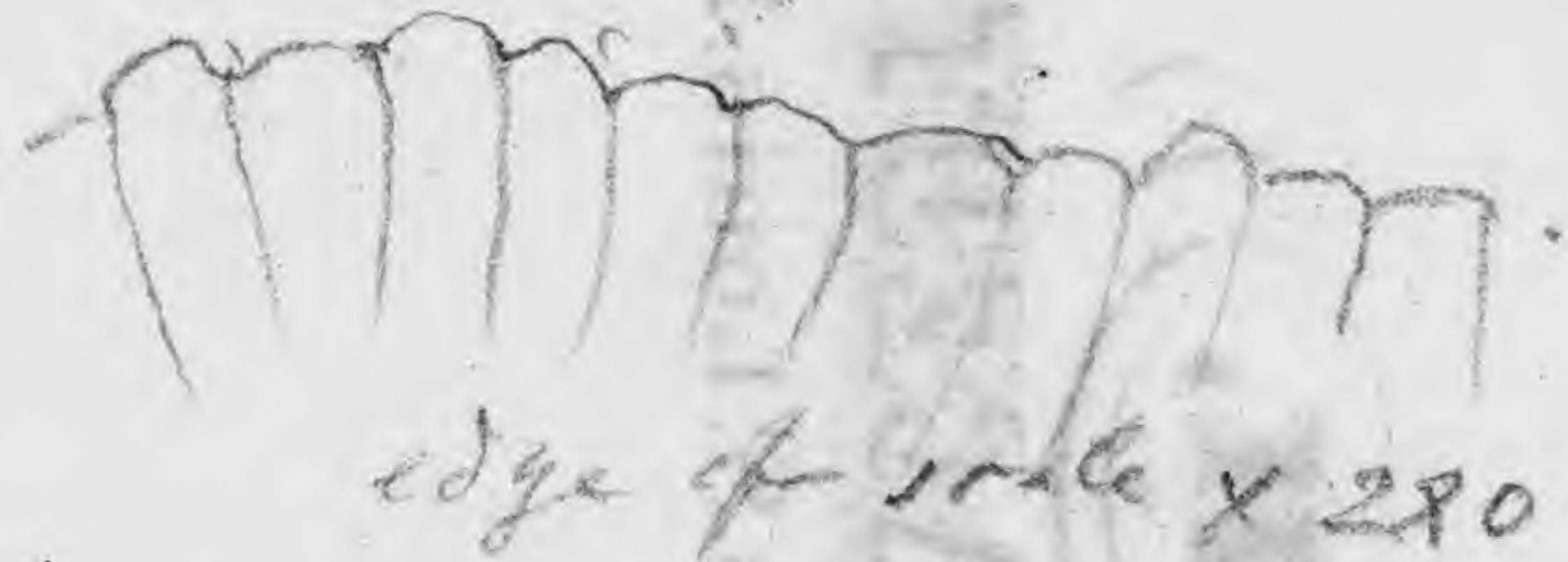


tip of scale x 60



scale x 10

cells
sometimes 5



edge of scale x 280

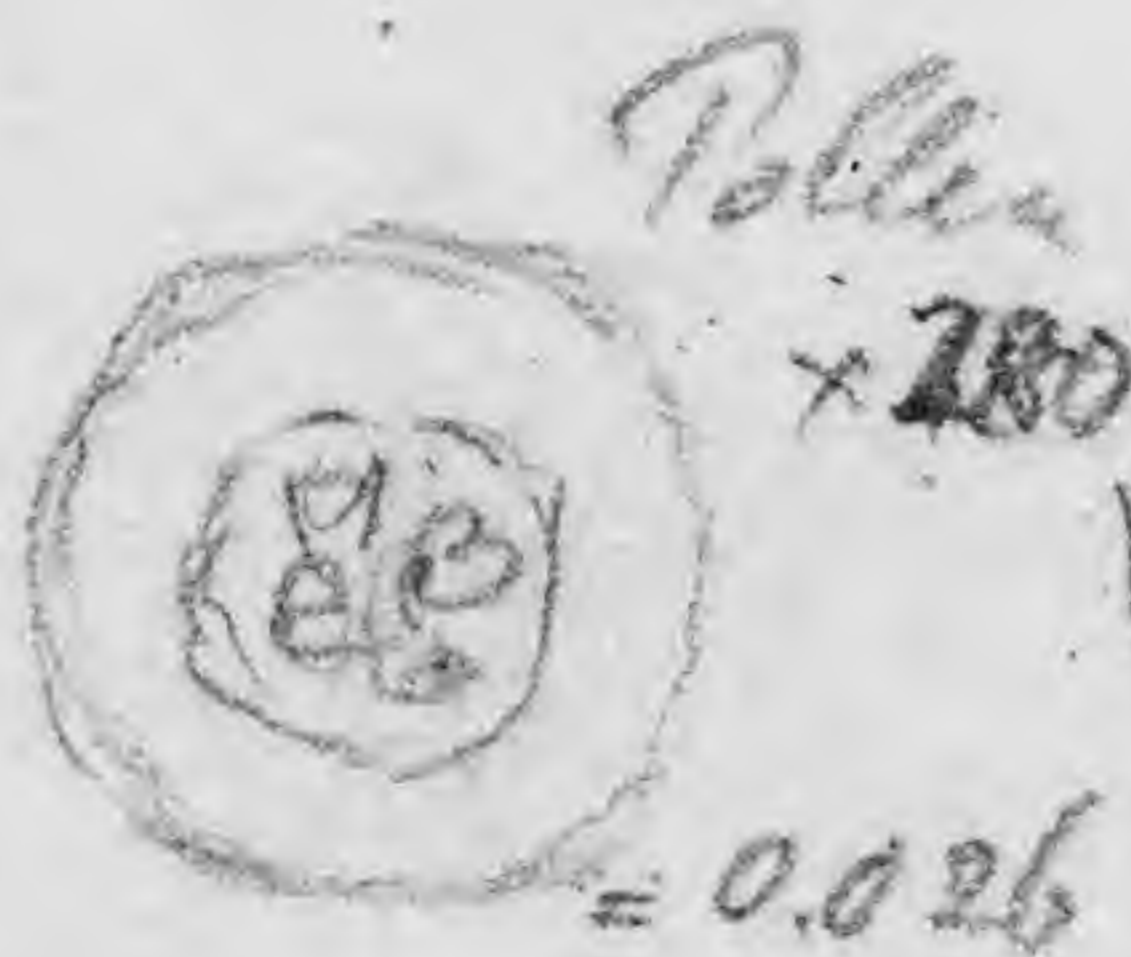


$\frac{12.5}{415}$
 $= 0.030$ ^{mic}

Pollen soaked only
a few minutes
sometimes even 0.035



tips of leaves x 60



Pollen
x 280
 $= 0.026$



0.022



Pollen
x 415



soaked too long!



0 1 2 3 4 5 6 7 8 9 10

cm

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cm

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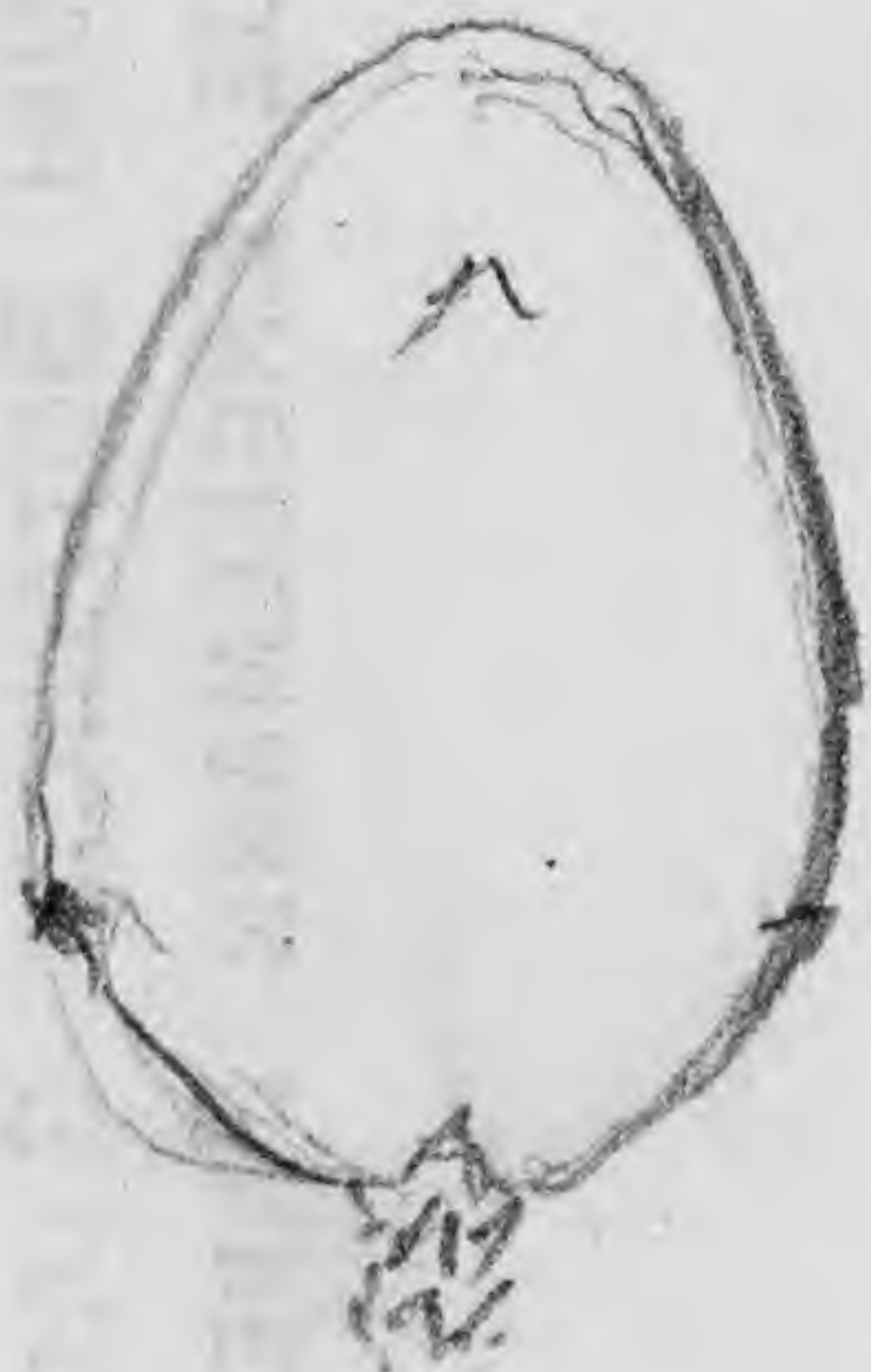


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"*J. Walleriana*" Hays & Siskin Jr | June 24 '74

= *Pseudo-sabina* ¹⁸⁷⁴ fide Dr. Poore

x2



x2



seeds

seeds single



0 1 2 3 4 5 6 7 8 9 10

cm

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0 1 2 3 4 5 6 7 8 9 10

cm

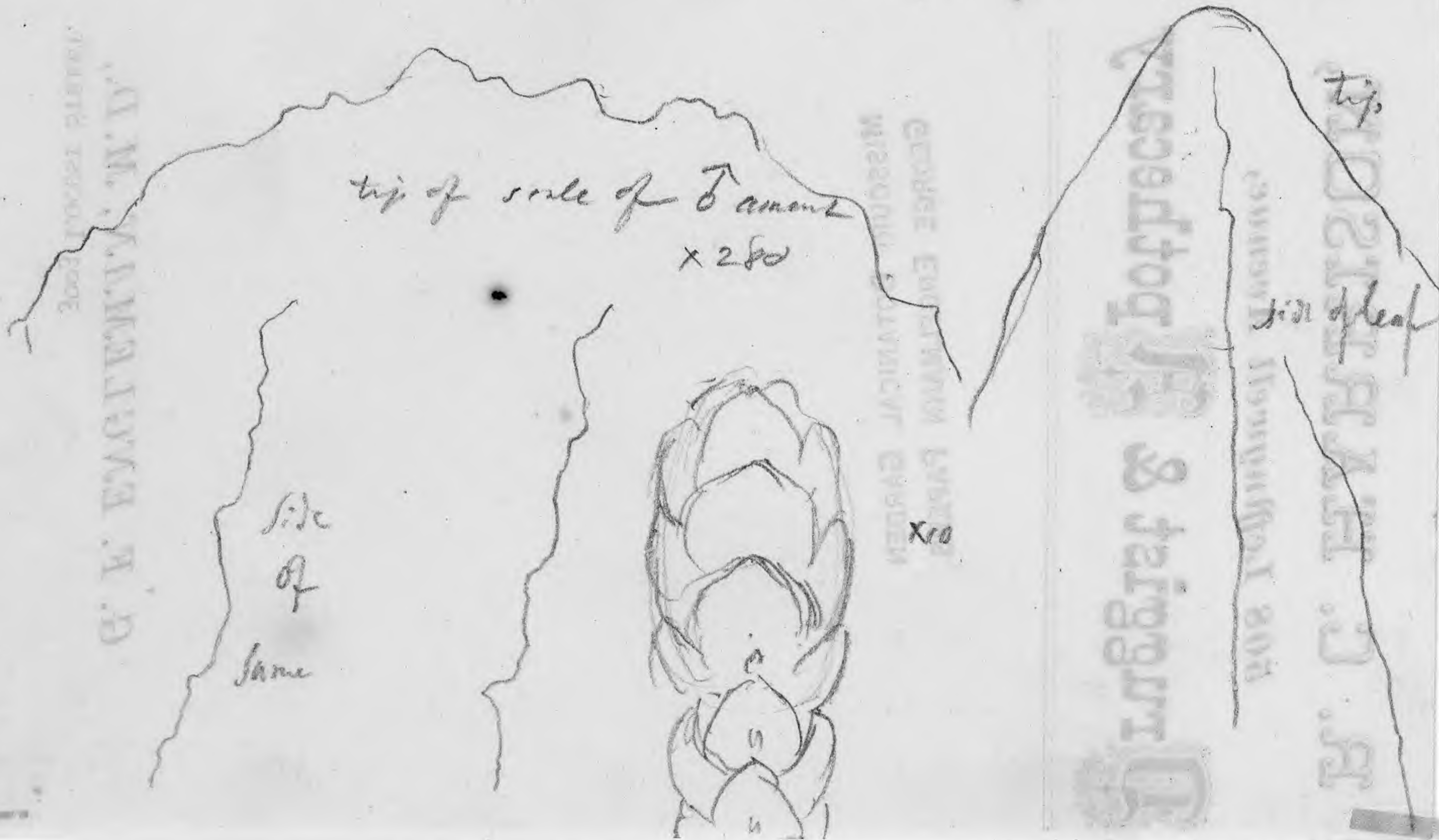
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"Juniperus dealbata"
Rome 1869

July 3^d 1874



0 1 2 3 4 5 6 7 8 9 10

cm

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cm

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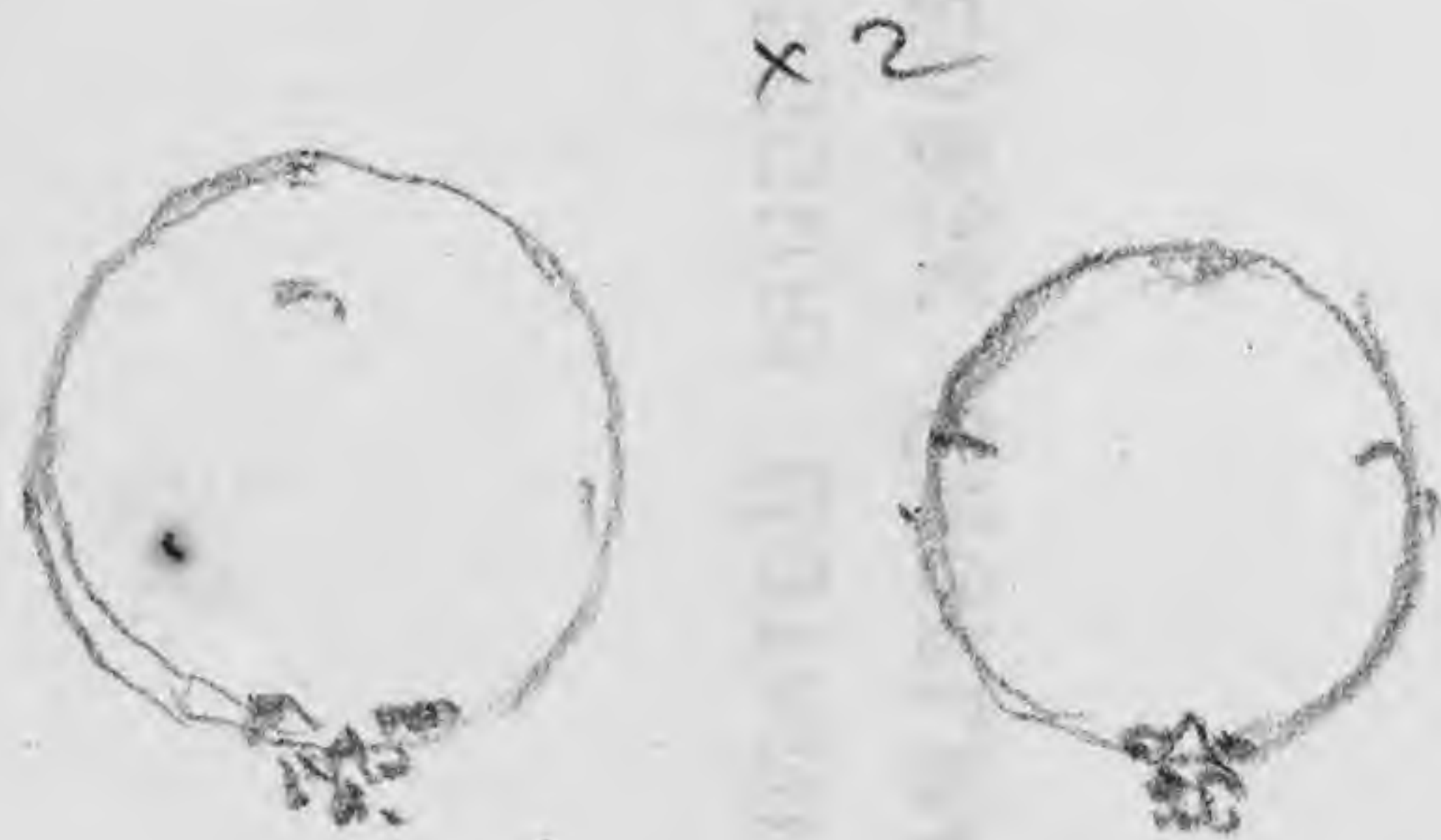
"*J. oophora*"

June 24 1874

Haage & Schmidt mis 1874

fruit black
scales in 2's

seeds 1 or rarely 2



seeds smooth
especially the
single ones



0 1 2 3 4 5 6 7 8 9 10

cm

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Juniperus Cupressoides

Jun 24 1875

Hager & Schum. II

not in DC



x2



x2



seeds 1 or mostly 2
with strong ridges
no tubercles



0 1 2 3 4 5 6 7 8 9 10

cm

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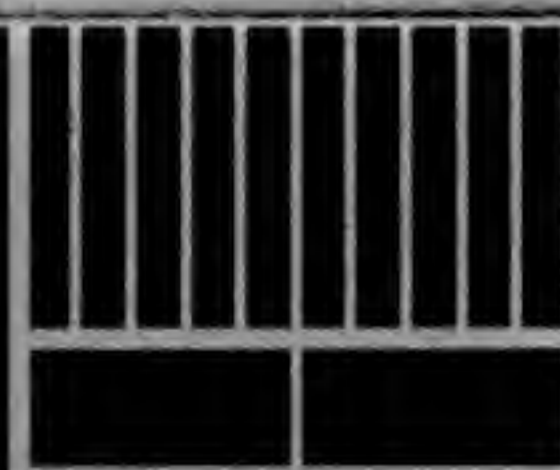
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0 1 2 3 4 5 6 7 8 9 10

cm

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THEIR LOVE OF GOLD, OF THEIR EXTRAVAGANCE.

He spent the night in such bitter reflections, and with the morning light he had as yet formed no plan for his future. He thought he would like to exile himself to some quiet village, there to earn his bread by the labor of his hands, and to dream sweetly of Caroline and Duncan, as of two higher beings amid the millions of false ones.

Etiquette commanded that he should offer his congratulations to the fortunate ones, but Casimir felt too wretchedly disenchanted to keep up any seeming of mere politeness. He wrote to the new President of the Chambers, sent back to him some documents remaining in his care, and took the liberty to inform his whilom patron that he had come to the conclusion of having served the State long time enough, and that herewith he withdrew from all business relations with it.

This off his mind, he threw himself upon the bed, and fell into a refreshing sleep.

A Successful Lecturer.

MRS F. M. BARCLAY FELCH, after having spent the winter and spring in Chicago as a Home Missionary among the sufferers from the fire, is again in the lecture-field, full of faith and good works. We often hear good things from her and of her. In a recent letter she says: "There has been a good attendance on my lectures here, (Peoria, Illinois,) and in every place which I have visited this summer. A spirit of inquiry is awakened in the minds of

FROM MRS. CHILTON B. ALLEN, M. A., M. D.

IN BERLIN.

BERLIN as a city presents a fine but rather uniform appearance, the houses being nearly all built after one certain style, and as the majority of people are not property owners, and those who are, are generally landlords, there is no display of individual taste in building and adorning a home, and one plan of building having been found to answer very well the customs and requirements of the people, that plan is almost universally adopted. The result is, that the wide streets are lined with block after block of buildings, large and substantial, but with no distinctive features. But such uniformity is far more agreeable to the eye than the picturesqueness of a hovel and a palace in close proximity. Even the suburbs of the city do not straggle out in low cottages and poor huts, with an occasional fine residence, but the last house on the very outskirts will be a large five-story building, looking more like a palatial residence of some wealthy individual than like the home of a score or more of laborers' families. The description of one house will answer for the description of a hundred. The main entrance is an arched passage-way in the centre of the building, which extends through the whole depth, and is also a carriage entrance, the stairs starting up on either side at right angles to the main hall. It looks quite odd to see a carriage driving out of the front door, as if it might have received its occupants in the parlor. In attempting to make a call upon a family residing

Spring Phoenix



0 1 2 3 4 5 6 7 8 9 10
cm

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GARDEN

turn.

After seven months of unremitting labor the purpose of the Commission was achieved, and all returned to the Electoral Capital, there to receive appreciation and fame. The Elector was so well pleased with the work of his faithful servants, that he decorated the President of the Commission with the Order of Merit, and rewarded the old gentleman with a large increase of salary. But poor Secretary Morn was forgotten by them all. He was not even named in the reports, though it had all been the work of his hands.

Only the President Bitterblatt and his father were grateful. Both invited him to dinner often; and *Fraulein* von Bitterblatt, the President's sister, found the young man very agreeable; and if he had not been a commoner, his happiness at her hands would not have failed him. But as soon as the Counsellor observed that the handsome Morn was fast becoming an object of interest to his daughter, he ceased to invite him so often, and at last not at all. Cassimir timidly reminded him of the hope he had given of a lucrative office in the newly acquired lands.

"Let me take care of that," he replied, tapping the Secretary upon the shoulder, in his kindest manner. "I have more than once en-

list of the candidates.

was presented; the patents were distributed; and congratulations were the order of the day. Cassimir remained in his room all day; so that by no possibility could he miss the sight of the Electoral messenger. The present to be given for his trouble was carefully counted off, and wrapped in paper, and placed upon the writing desk. The afternoon sped, the evening approached. He sent an attendant to the Count's printing office for the list of names. It contained a number of successful applicants, but the name of Morn was no where to be seen. No messenger came from Electoral quarters to explain the omission. Night set in. The city was in a whirl of pleasure; balls, banquets, and joyous feasts. But the good, true Cassimir was forgotten, as he had always been. He sat in the thought-corner of his sofa, alone and discouraged, and shed tears of bitterest disappointment.

SORROWFUL PROSPECTS.

It was a long and sorrowful night for Cassimir; his dearest hopes had forsaken him; hopes that had upheld him during the six years of unremitting toil he had devoted to the service of the State. He had helped others to obtain positions of trust and influence; he had lived upon his own means chiefly; only two

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0 1 2 3 4 5 6 7 8 9 10

cm

Juniper procumbens?

June 26 1875

live nomine in Hort. Pisum

T. Carol May 1865

leaves mostly - 3^s

scales of fruit - 2^s
seed several



ST. LOUIS, MO.
Opposite Hotel Hotel
J. O. WOODRUFF
No. 12 N. 2nd St.
St. Louis, Mo.



0 1 2 3 4 5 6 7 8 9 10

cm

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L. O. WOODRUFF,
Printer,
Cor. Sixth St. & Washington Ave.

Opposite Lindell Hotel,

ST. LOUIS, MO.

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1315.8



0 1 2 3 4 5 6 7 8 9 10

cm

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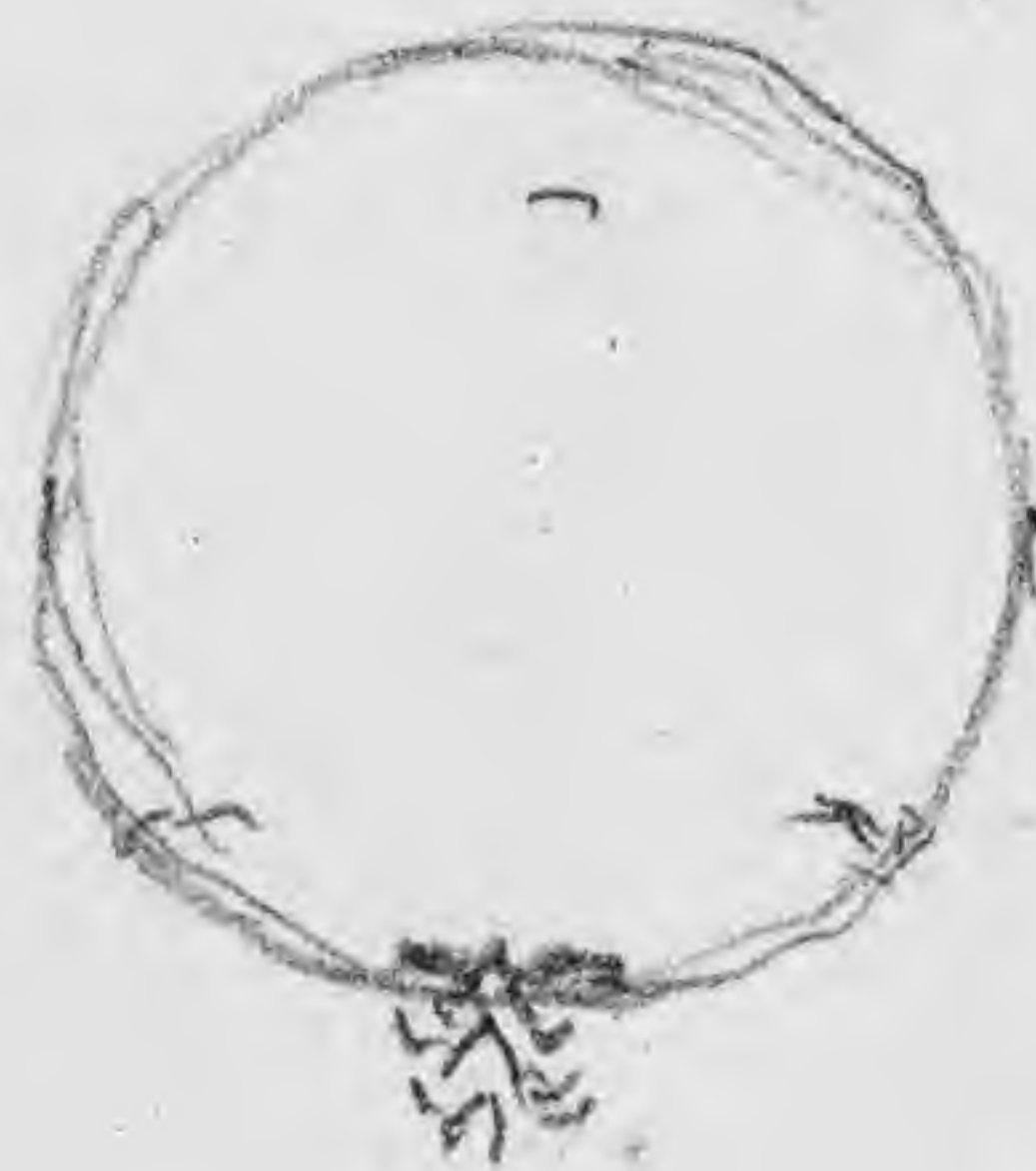
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J. phacodes

June 23 1874

Haage & Schmidt's seeds, 1874

x 2



scales - pairs

seeds 4-6 - 10-12

very resinous

(in var pendula, the seeds are larger & fewer 2-3)

x 2



0 1 2 3 4 5 6 7 8 9 10

cm

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CHEMIST

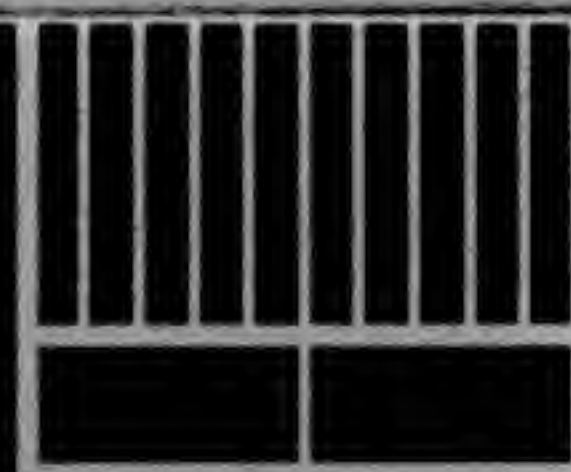
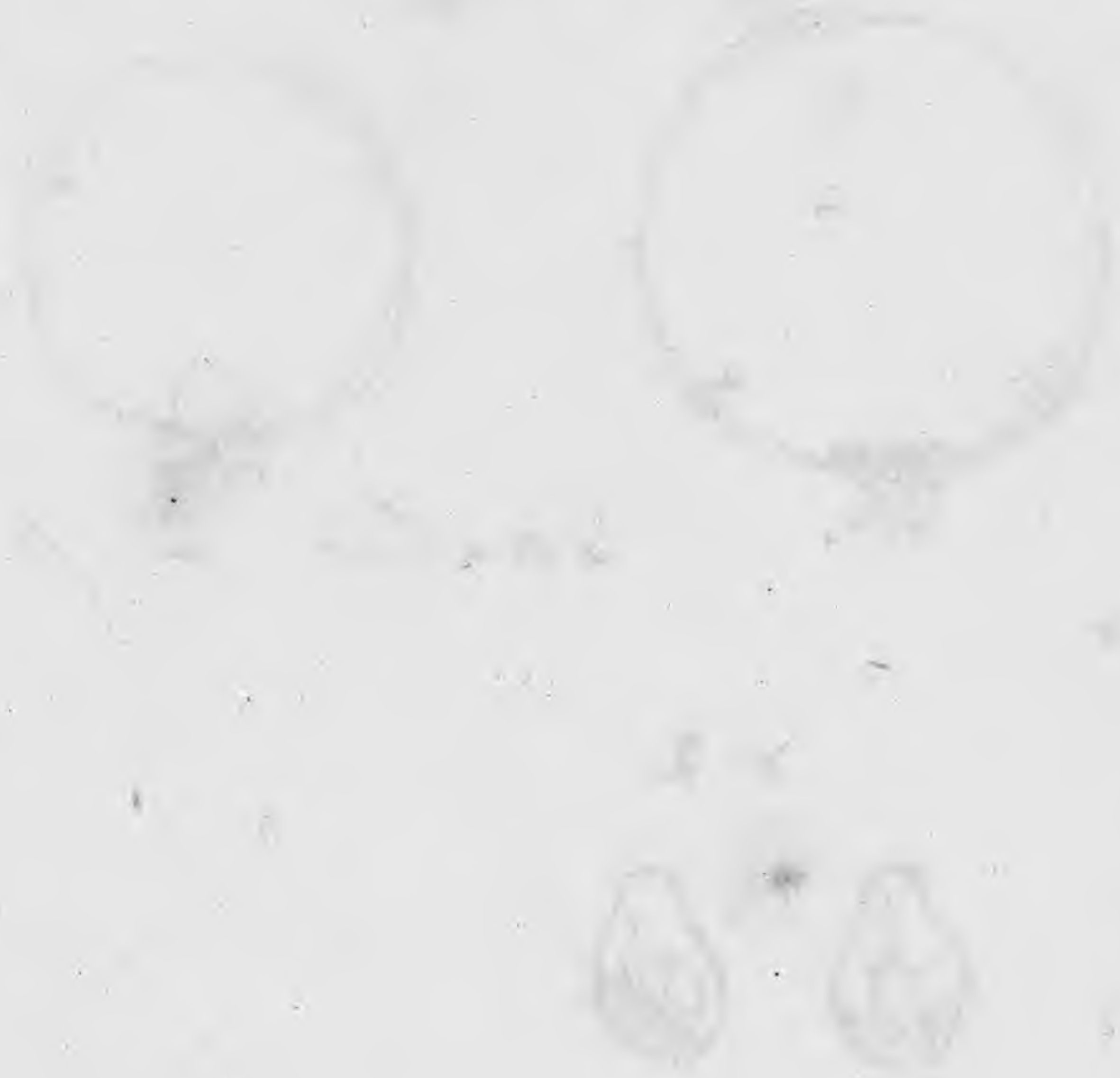


ALEX. LEITCH,
APOTHECARY & CHEMIST,
Cor. 4th and Olive Sts., St. Louis.

ALL THE NEW REMEDIES
CONSTANTLY ON HAND



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0 1 2 3 4 5 6 7 8 9 10

cm

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Juncip. phoenicea?

Jun 24 1874

mixed with *J. rufescens*;

Haug & Schmidt mis. 1874.

brown red berry

x 2



seeds 5-7

fruit fibrous
long oil bags
just as in the
fruit of *rufescens*
with which these
fruits were mixed

Scales in 2', and therefore
no doubt distinct from
rufescens and
scales smooth not knobby



0 1 2 3 4 5 6 7 8 9 10

cm

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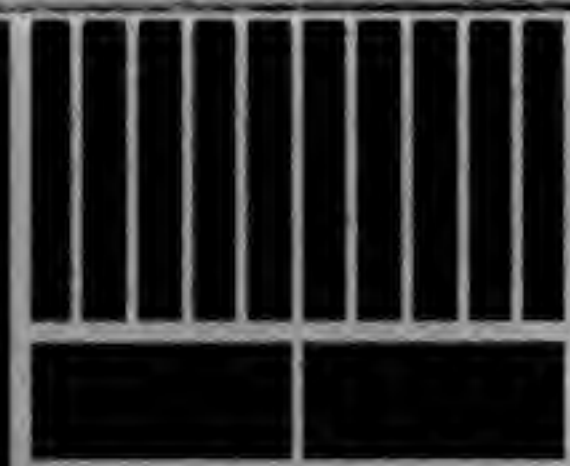
[Faint handwritten text, possibly bleed-through from the reverse side of the page]

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0 1 2 3 4 5 6 7 8 9 10

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J. phoenicea

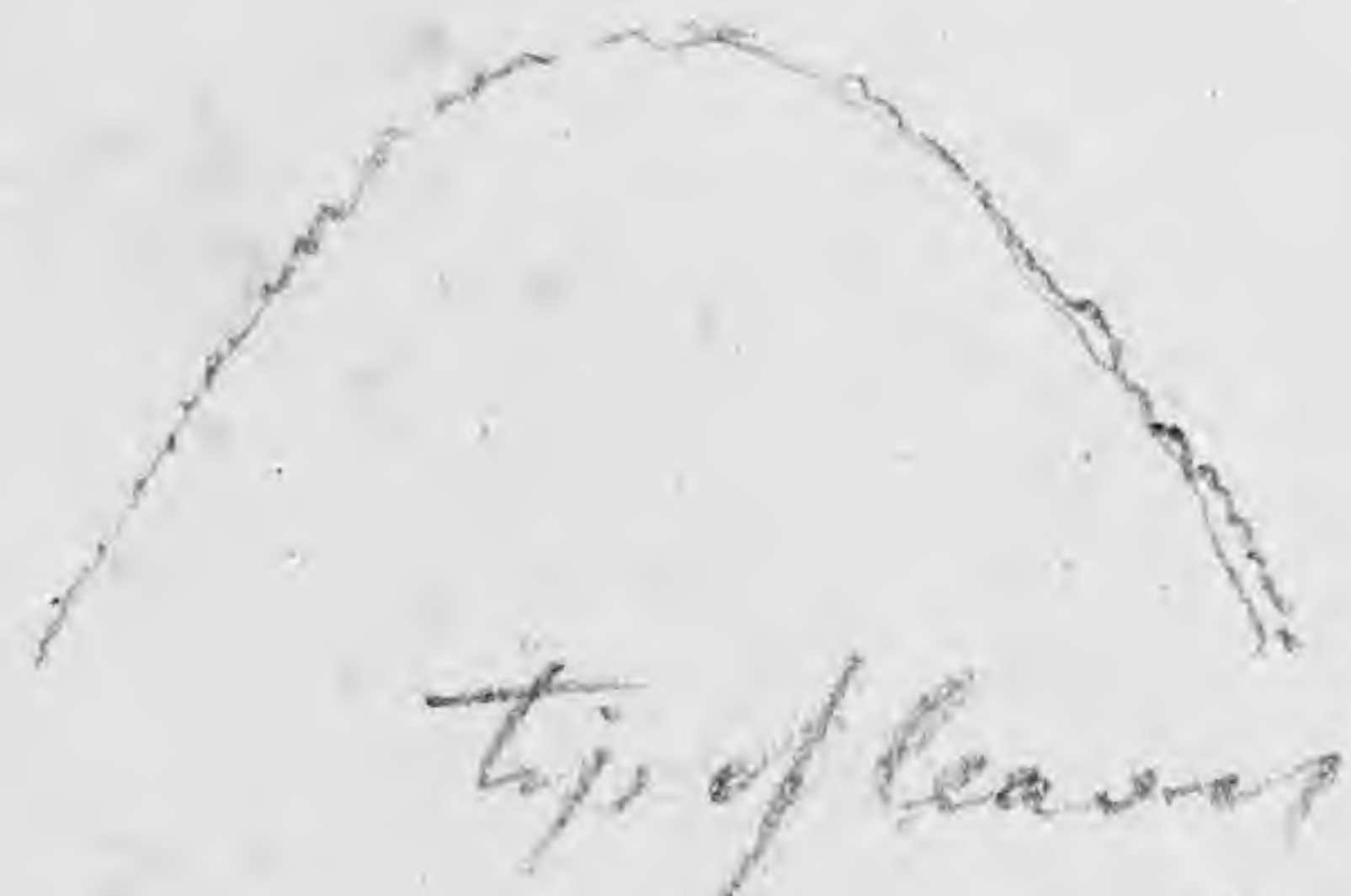
Jan 4 1874

Ferrosia G.E.



x10

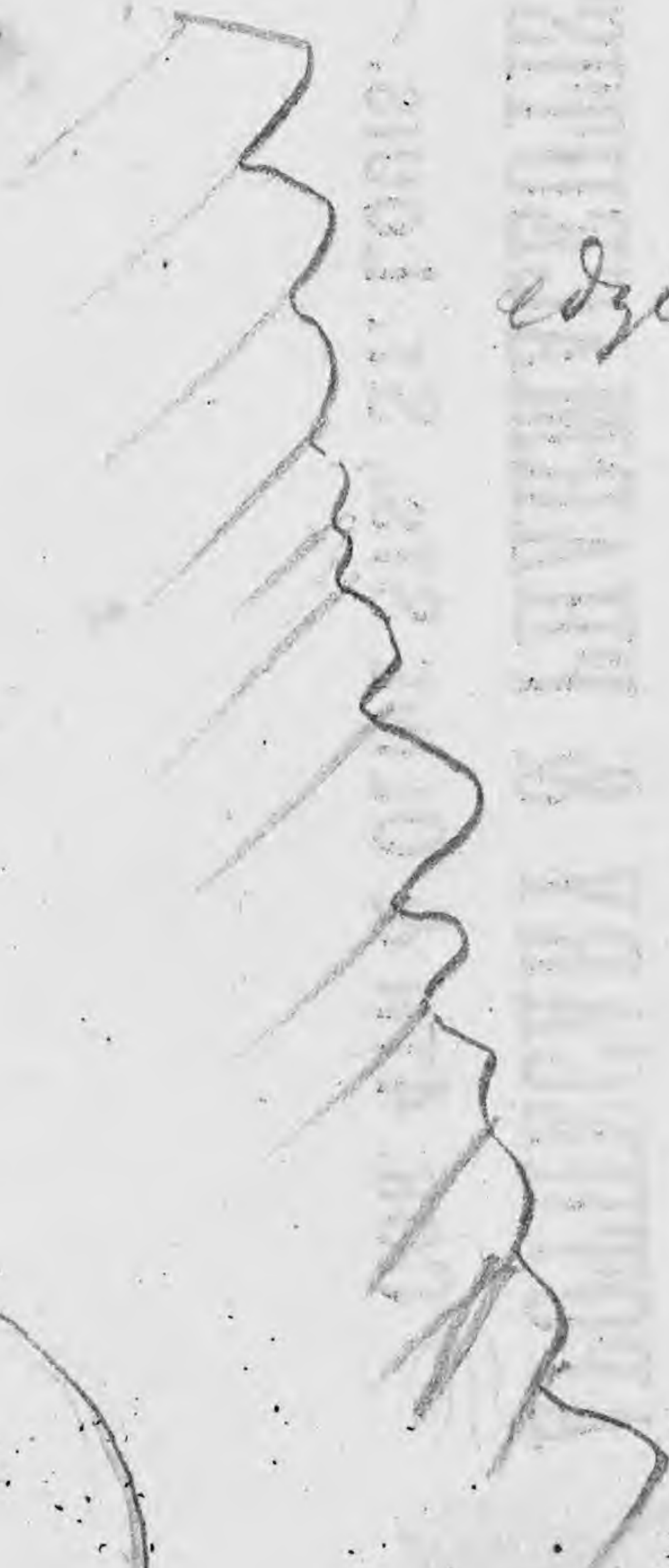
glands large, elongated



tip of leaves

x60

wavy slightly
dentate etc

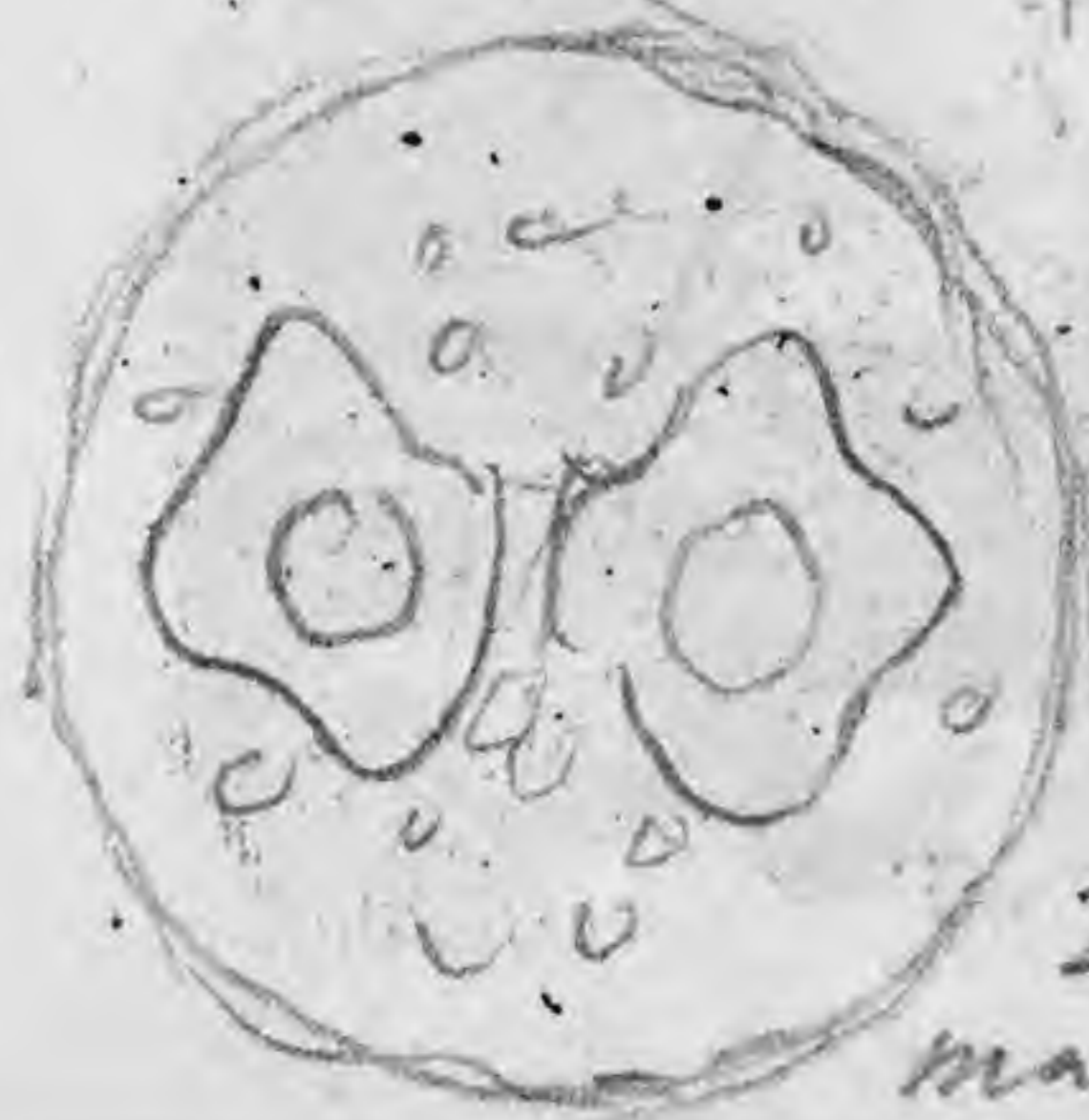
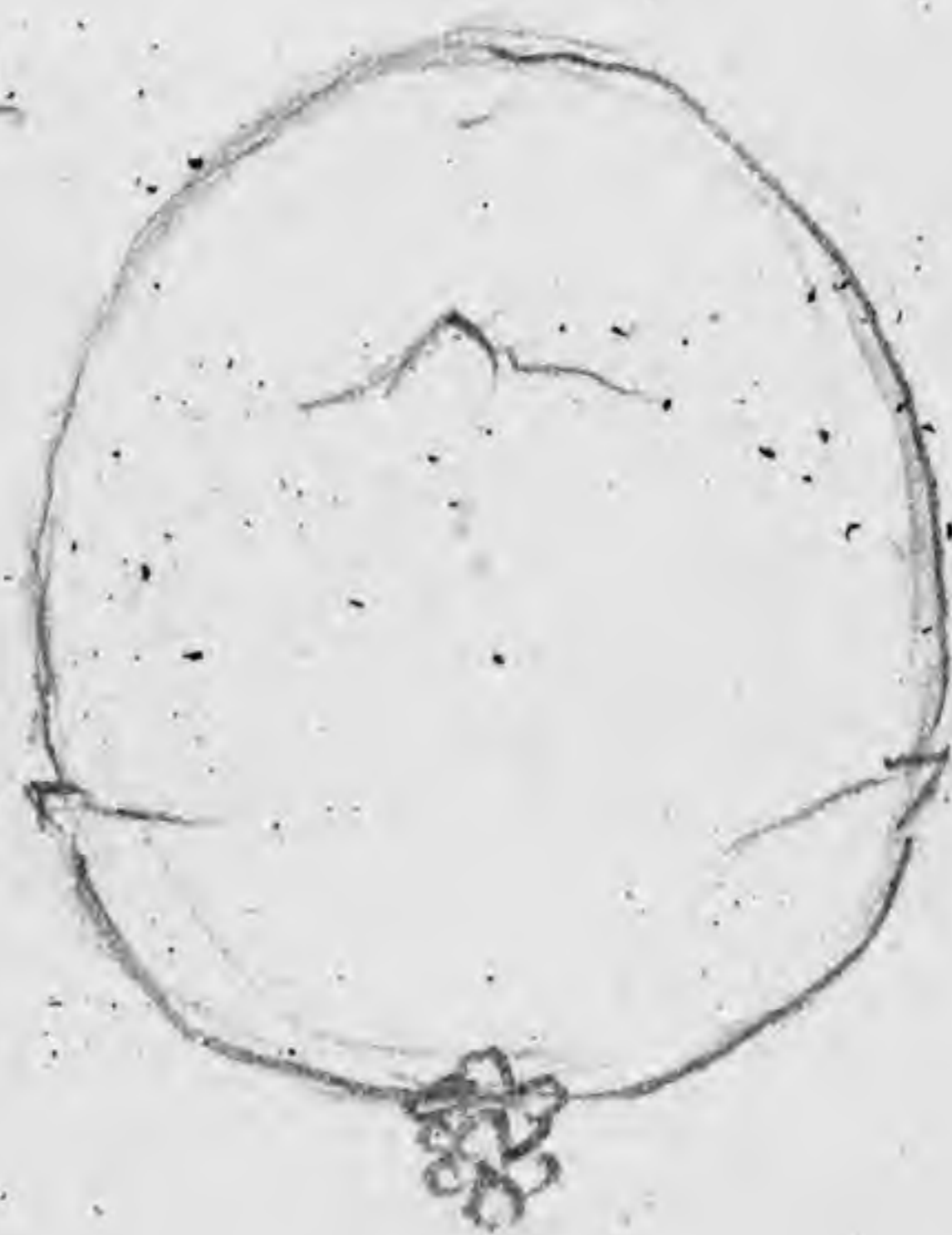


edge of leaf

x280



x2



x2

section

2 seeds

many oil bags



0 1 2 3 4 5 6 7 8 9 10

cm

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Alex. Leitch

APOTHECARY & PHARMACEUTIST,

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cm

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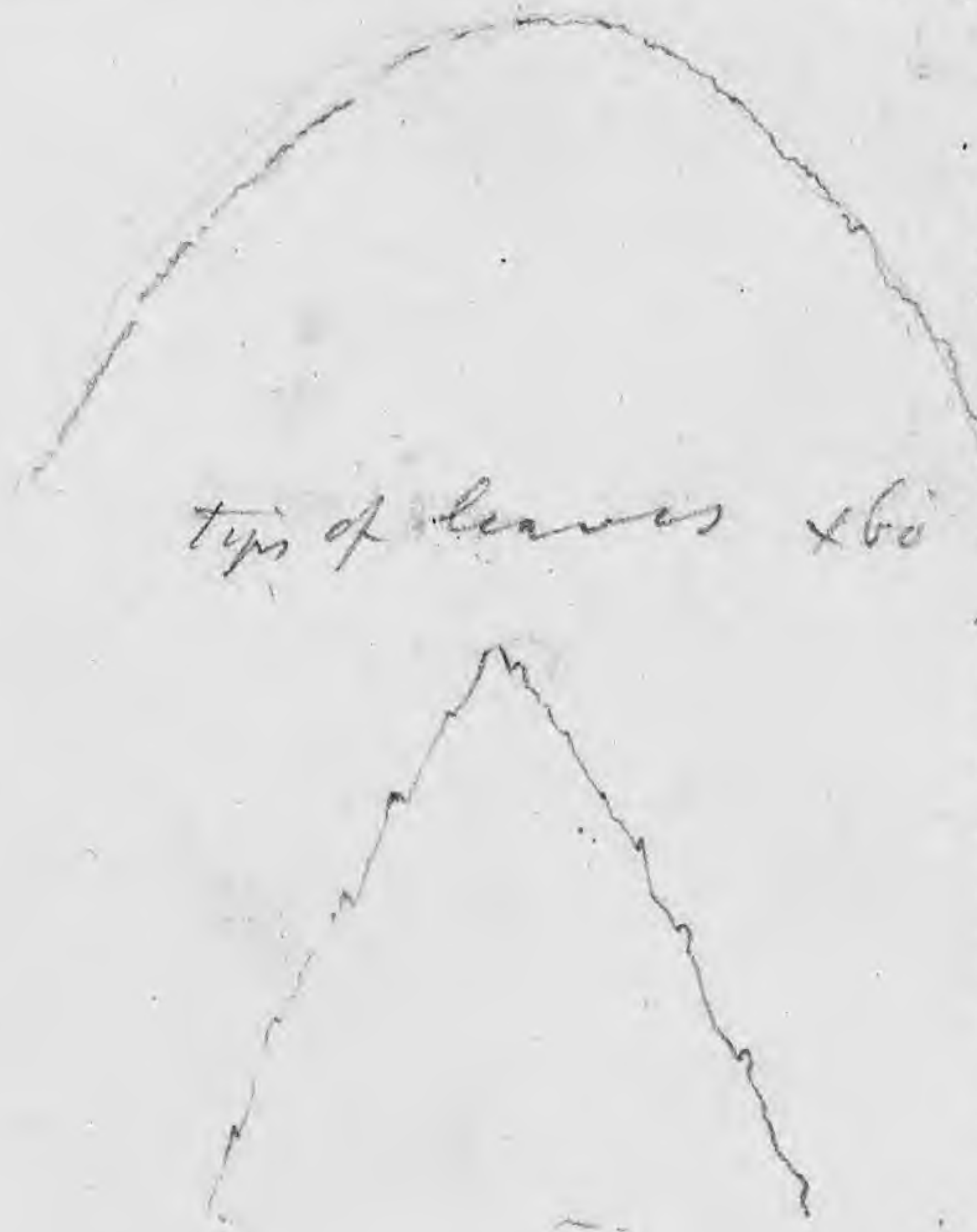
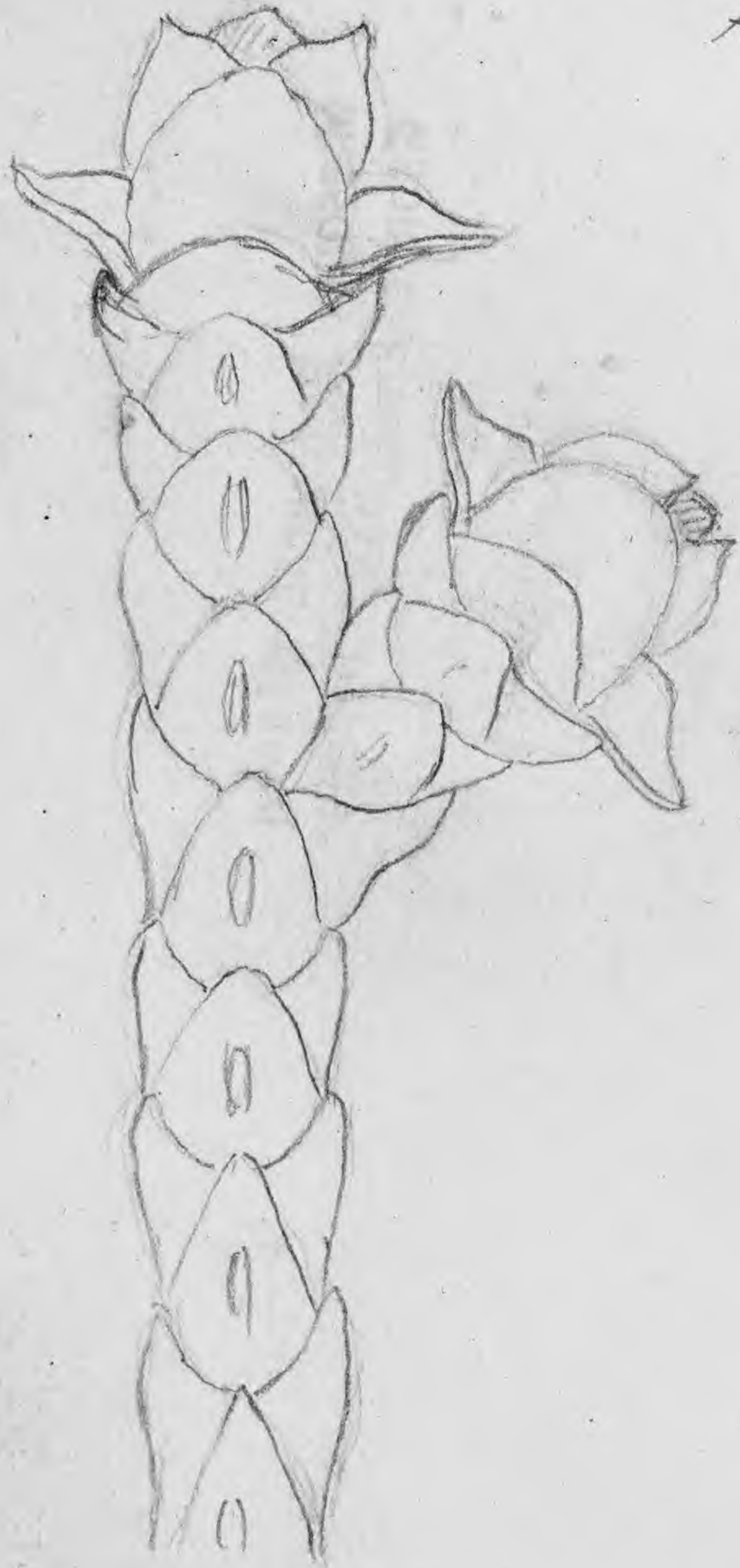
J. phoenicea sub nom. *Sabina*

4 Jan 1874

H. Doz Pisa

mark

Th. Carnel miss



tips of leaves x60

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HERBARIUM

MISSOURI BOTANICAL GARDEN



0 1 2 3 4 5 6 7 8 9 10

cm

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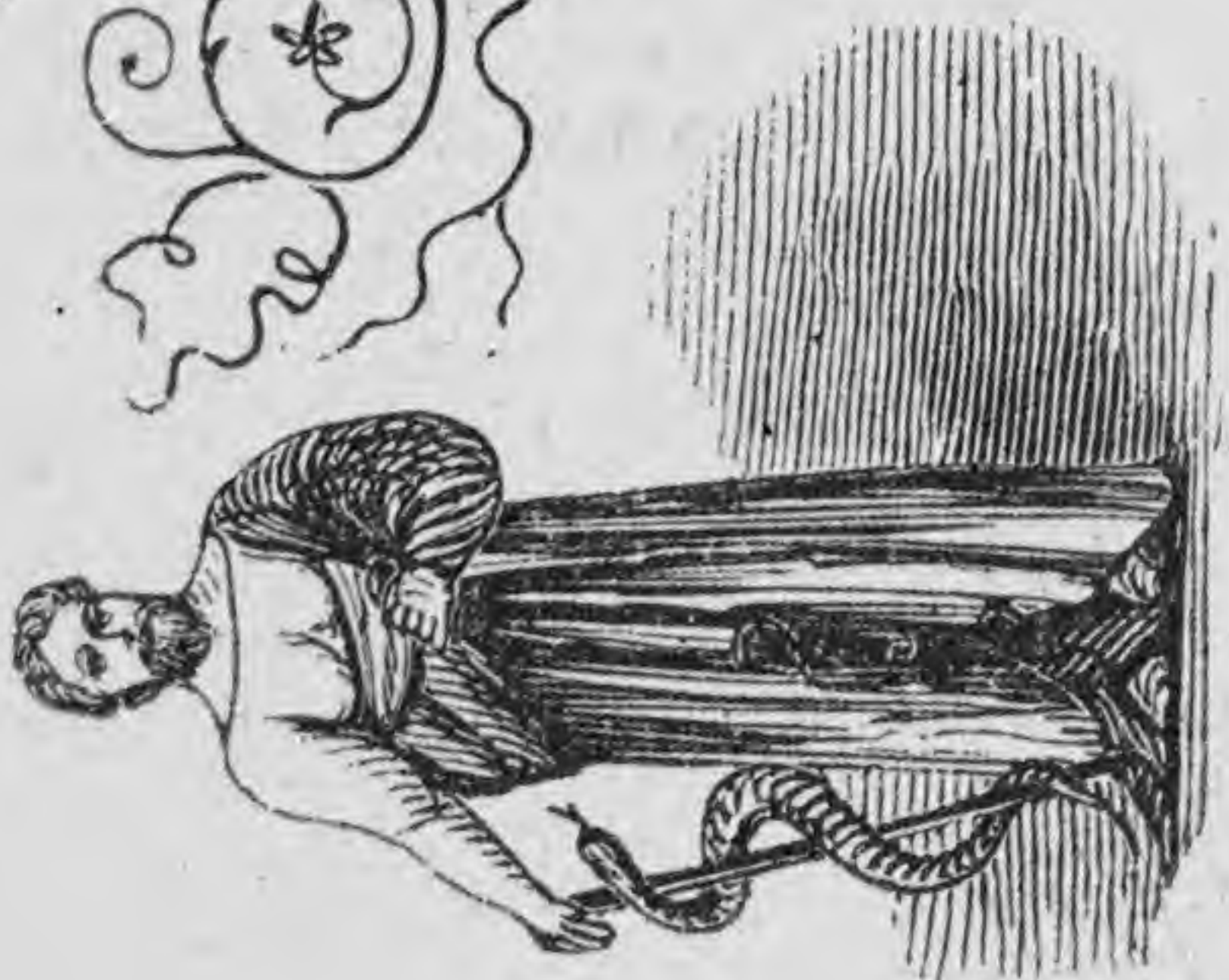


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Juniperus Cabiancae V. J. June 26 1874

Wray & Schmitt Linn 1874

a form of *J. chinensis* fide H.

x 2



x 2



seeds 3-4
ridged, not rough



0 1 2 3 4 5 6 7 8 9 10

cm

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R. C. HARRISON,

508 Leffingwell Avenue,

Druggist & **A**pothecary

Faint handwritten notes and sketches of botanical specimens, including a cross-section of a fruit or seed.

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cm

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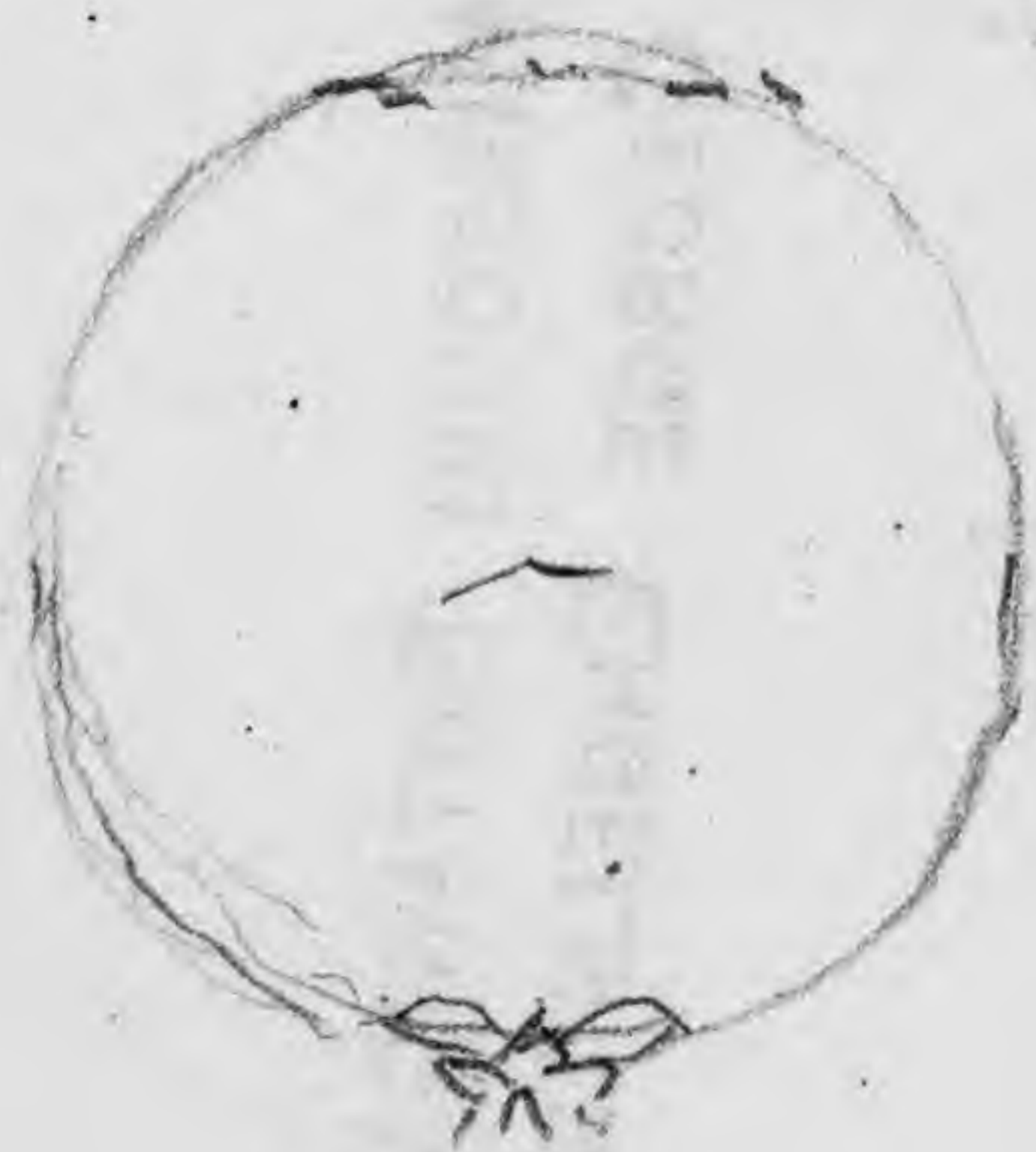
Juniper Lycia

June 25 1874

= *phoenicea*

scales - pairs

mons Para W. Schimper 1835. Hb. Hb. Minn.



x 2

seeds 6



x 2

J. Lycia

Island of Cherso Hb. Hb. Minn.



x 2

seeds 6



x 2



0 1 2 3 4 5 6 7 8 9 10

cm

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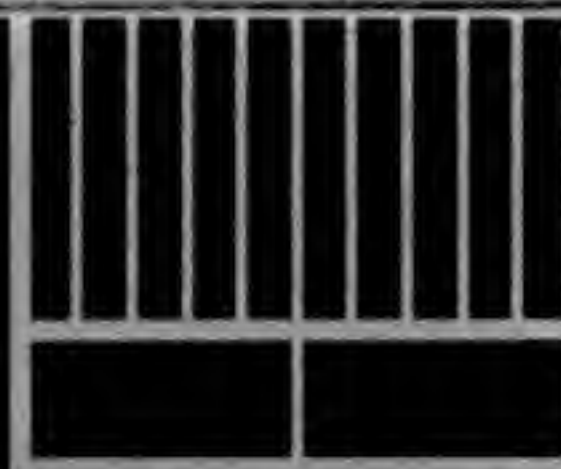
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3003 LOCUST STREET.

13164



0 1 2 3 4 5 6 7 8 9 10

cm

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MISSOURI
BOTANICAL
GARDEN

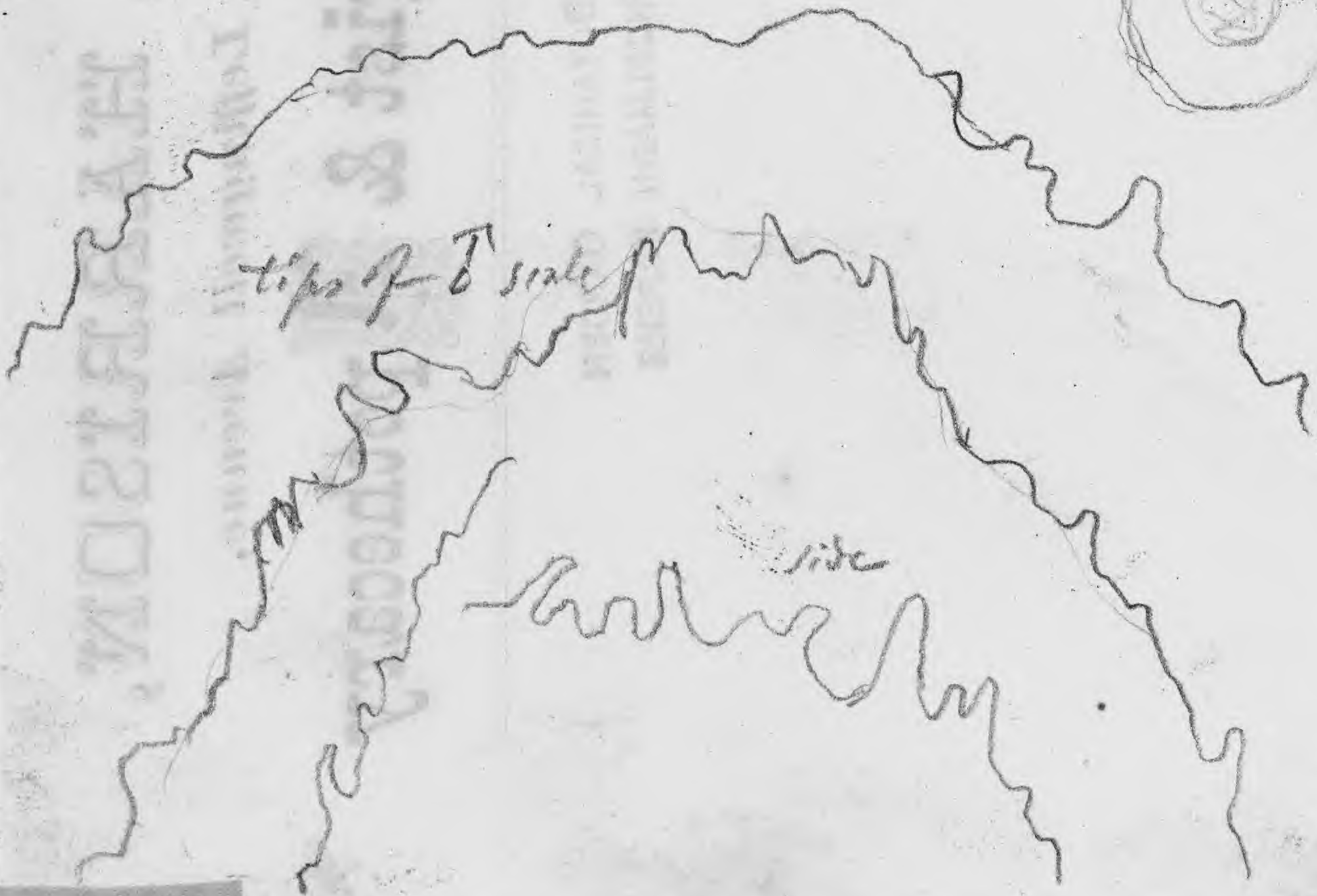
" *Juniper phoenicea*
sclerocarpa "

293 1874

H. Bol. Nepal



Pollen grains x 615
of all sizes



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